Access QB# 7085/

SEARCH REQUEST FORM

Scientific and Technical Information Center
Requester's Full Name: P. Lauger Examiner#: 73139 Date: 7/15/02 Art Unit: Phone Number: 3064160 Serial Number: 2
Mail Box and Bldg/Room Location: 10 0 H 249 Results Format Preferred (circle): Paper Disk E-mail
If more than one search is submitted, please prioritize searches in order of need.
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.
Title of Invention:
Inventors (please provide full names):
Earliest Priority Filing Date:
For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.
1.

Litigation 5,983,261

STAFF USE ONLY	Type of search	Vendors and cost where applicable
Searcher & Green	NA Sequence (#)	NTS
Searcher Phone: 6 - 4767	AA Sequence (#)	Dialog
Searcher Location:	Structure (#)	Questel/Orbit 23.82
Date Searcher Picked Up: 7-15-02	Bibliographic	Dr. Link
Date Completed:	Litigation	Lexis/Nexis
Searcher Prep & Review Time:	Full Text	Sequence System
Clerical Prep Time:	Patent Family	Other (specify)

1 of 1 DOCUMENT

UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT

5983261

November 9, 1999

Method and apparatus for allocating bandwidth in teleconferencing applications using bandwidth control

REISSUE: November 9, 2001 - Reissue Application filed Ex. Gp.: 2153; Re. S.N. 10/037,540April 23, 2002; November 9, 2001 - Reissue Application filed Ex. Gp.: 2153; Re. S.N. 10/014,249July 2, 2002

INVENTOR: Riddle, Guy G., Los Gatos, CA

APPL-NO: 08674137

FILED-DATE: July 1, 1996

GRANTED-DATE: November 9, 1999

ASSIGNEE-AT-ISSUE: Apple Computer, Inc., Cupertino, CA

ASSIGNEE-AFTER-ISSUE: January 13, 1997 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., APPLE COMPUTER, INC. 1 INFINITE LOOP CUPERTINO, CALIFORNIA 95014, Reel and Frame Number: 008302/0576; May 13, 1997 - ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS)., APPLE COMPUTER, INC. 1 INFINITE LOOP CUPERTINO, CALIFORNIA 95014, Reel and Frame Number: 008528/0677

LEGAL-REP: Blakely, Sokoloff, Taylor & Zafman

US-MAIN-CL: 709#204

IPC-MAIN-CL: G 06F013#0

SEARCH-FLD: 395#20053 , 395#20056 , 395#20058 , 395#20062 , 395#20063 , . . 395#20065 , 395#20068 , 395#2005 , 395#20051 , 395#20052 , 395#20054 , 395#20055 , 395#20034 , 370#229 , 370#260 , 370#468 , 709#205 , 709#224 , 709#226 , 709#204

PRIM-EXMR: Meky, Moustafa M.

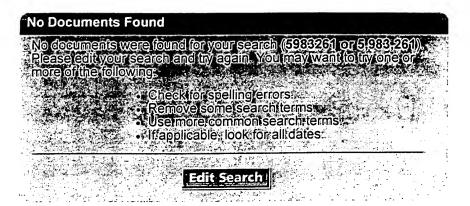
CORE TERMS: bandwidth, network, node, administrator, teleconferencing,

allocated, teleconference, computer system, priority, medium ...

LEXIS-NEXIS
Library: PATENT
File: ALL

ENGLISH-ABST:

In the present invention, in some embodiments, an administrator assigns a total bandwidth allocation to at least one other computer system, and the computer system parcels the bandwidth among the applications running on the computer system. In the operation of one embodiment of the present invention, an administrator sends a bandwidth maximum allocation to each node on the system. Each node determines a current bandwidth being used, and limits the current bandwidth to this allocation. Thereafter, each node then reallocates its usable bandwidth among applications running on the nodes that are attempting to send messages over the network. For each application, a current bandwidth use is determined, as well as a current bandwidth demand. The current bandwidth demand is the amount of bandwidth that the application would be using if no other applications were running on the node and if there were no limitations on the amount of data the application could send to the network. A ratio is calculated to determine the amount of the bandwidth demand currently being satisfied for each application, thus calculating the happiness factor for the application.



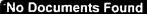
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LEXIS-NEXIS

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File: CASES

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?fam us5983261/pn
  1 Patent Groups
  ** SS 1: Results 1
 Search statement
?famstate nonstop
 1/1 INPADOC - (C) INPADOC
 PN - US 5983261 A 19991109 [US5983261]
 TI - METHOD AND APPARATUS FOR ALLOCATING BANDWIDTH IN TELECONFERENCING
       APPLICATIONS USING BANDWIDTH CONTROL
 IN - RIDDLE GUY G [US]
 PA - APPLE COMPUTER [US]
 AP - US 674137/96-A 19960701 [1996US-0674137]
PR - US 674137/96-A 19960701 [1996US-0674137]
 IC - G06F-013/00
 1/1 LEGALI - (C) LEGSTAT
 PN - US 5983261 [US5983261]
 AP - US 674137/96 19960701 [1996US-0674137]
 DT - US-P
 ACTE- 19960701 US/AE-A
       APPLICATION DATA (PATENT)
        {US 674137/96 19960701 [1996US-0674137]}
     - 19991109 US/A
       PATENT
      - 20020423 US/RF
       REISSUE APPLICATION FILED
        20011109
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UP - 2002-18

?us5983261/pn ** SS 1: Results 1 Search statement ?prt full nonstop legalall 1/1 PLUSPAT - (C) QUESTEL-ORBIT - US5983261 A 19991109 [US5983261] - (A) Method and apparatus for allocating bandwidth in teleconferencing applications using bandwidth control - (A) APPLE COMPUTER (US) PΑ - (A) RIDDLE GUY G (US) IN - US67413796 19960701 [1996US-0674137] AΡ PR - US67413796 19960701 [1996US-0674137] - (A) G06F-013/00 IC PCL - ORIGINAL (O): 709204000; CROSS-REFERENCE (X): 709226000 - Basic - US5600797; US5604742; US5673393 STG - (A) United States patent AB - In the present invention, in some embodiments, an administrator assigns a total bandwidth allocation to at least one other computer system, and the computer system parcels the bandwidth among the applications running on the computer system. In the operation of one embodiment of the present invention, an administrator sends a bandwidth maximum allocation to each node on the system. Each node determines a current bandwidth being used, and limits the current bandwidth to this allocation. Thereafter, each node then reallocates its usable bandwidth among applications running on the nodes that are attempting to send messages over the network. For each application, a current bandwidth use is determined, as well as a current bandwidth demand. The current bandwidth demand is the amount of bandwidth that the application would be using if no other applications were running on the node and if there were no limitations on the amount of data the application could send to the network. A ratio is calculated to determine the amount of the bandwidth demand currently being satisfied for each application, thus calculating the happiness factor for the application. 1/1 LGST - (C) LEGSTAT - US 5983261 [US5983261] - US 674137/96 19960701 [1996US-0674137] ΑP DT - US-P ACT - 19960701 US/AE-A APPLICATION DATA (PATENT) {US 674137/96 19960701 [1996US-0674137]} - 19991109 US/A PATENT - 20020423 US/RF REISSUE APPLICATION FILED 20011109 UP - 2002-18 1/1 CRXX - (C) CLAIMS/RRX PN - 5,983,261 A 19991109 [US5983261] - Apple Computer Inc ACT - 20011109 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020423 REISSUE REQUEST NUMBER: 10/037540 EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2153

Reissue Patent Number:

- 20011109 REISSUE REQUESTED ISSUE DATE OF O.G.: 20020702

REISSUE REQUEST NUMBER: 10/014249

EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 2153

Reissue Patent Number:

1/2 PAST - (C) Thomson Derwent

AN - 200227-001789

PN - 5983261 A [US5983261]

OG - 2002-07-02

ACT - REISSUE APPLICATION FILED

2/2 PAST - (C) Thomson Derwent

AN - 200217-001781

PN - 5983261 A [US5983261] OG - 2002-04-23

ACT - REISSUE APPLICATION FILED